

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010265.D
 Acq On : 12 Jun 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:20:44 AM

Quant Time: Jun 13 03:47:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	445586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	406303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142213	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	5.50	113	143742	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	8.71	98	534171	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.13	95	197706	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	134837	49.946	ug/l	98
3) Chloromethane	1.32	50	129861	48.436	ug/l	99
4) Vinyl Chloride	1.41	62	146457	58.122	ug/l	99
5) Bromomethane	1.64	94	58730	61.764	ug/l	99
6) Chloroethane	1.71	64	78708	61.953	ug/l	97
7) Trichlorofluoromethane	1.92	101	216434	57.824	ug/l	97
8) Diethyl Ether	2.19	74	74000	57.361	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	123985	48.054	ug/l	91
10) Methyl Iodide	2.51	142	181965	45.519	ug/l	97
11) Tert butyl alcohol	3.05	59	188834	269.161	ug/l	99
12) 1,1-Dichloroethene	2.37	96	125037	47.447	ug/l #	79
13) Acrolein	2.29	56	35513	277.611	ug/l	98
14) Allyl chloride	2.73	41	182015	45.756	ug/l #	90
15) Acrylonitrile	3.14	53	368503	256.978	ug/l	98
16) Acetone	2.45	43	309212	229.558	ug/l #	88
17) Carbon Disulfide	2.57	76	323105	42.432	ug/l	100
18) Methyl Acetate	2.78	43	153698	51.885	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	407001	48.072	ug/l	93
20) Methylene Chloride	2.85	84	139818	47.265	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	132077	45.288	ug/l #	77
22) Diisopropyl ether	3.85	45	379353	49.879	ug/l #	90
23) Vinyl Acetate	3.81	43	1666024	245.546	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	220282	47.703	ug/l	96
25) 2-Butanone	4.67	43	511006	254.765	ug/l #	84
26) 2,2-Dichloropropane	4.58	77	171029	40.598	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	158064	48.719	ug/l	77
28) Bromochloromethane	5.02	49	98434	47.563	ug/l #	48
29) Tetrahydrofuran	5.13	42	323747	256.830	ug/l #	75
30) Chloroform	5.21	83	234965	48.995	ug/l	99
31) Cyclohexane	5.58	56	198703	47.678	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	210059	46.592	ug/l	94
36) 1,1-Dichloropropene	5.80	75	167566	46.094	ug/l	91
37) Ethyl Acetate	4.83	43	187715	49.628	ug/l #	92
38) Carbon Tetrachloride	5.78	117	193111	46.932	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	219635	44.369	ug/l #	83
40) Benzene	6.14	78	547498	48.705	ug/l	99
41) Methacrylonitrile	5.04	41	100997	49.362	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	167637	46.712	ug/l	93
43) Isopropyl Acetate	6.45	43	303183	47.940	ug/l #	89
44) Trichloroethene	7.21	130	161011	47.519	ug/l	83
45) 1,2-Dichloropropane	7.51	63	136076	48.365	ug/l	97
46) Dibromomethane	7.66	93	98070	46.526	ug/l	90
47) Bromodichloromethane	7.90	83	187403	47.580	ug/l	99
48) Methyl methacrylate	7.77	41	143325	48.459	ug/l #	78
49) 1,4-Dioxane	7.74	88	85503	1013.960	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	987006	261.246	ug/l	90
52) Toluene	8.78	92	357108	48.328	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	205834	45.181	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	223865	45.836	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	151808	50.164	ug/l	96
56) Ethyl methacrylate	9.18	69	234532	49.061	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	231128	48.512	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	547127	242.781	ug/l #	86
59) 2-Hexanone	9.49	43	772412	256.420	ug/l	88
60) Dibromochloromethane	9.58	129	172745	48.260	ug/l	99
61) 1,2-Dibromoethane	9.67	107	163367	48.471	ug/l	100
64) Tetrachloroethene	9.34	164	148228	49.120	ug/l	95
65) Chlorobenzene	10.13	112	408998	48.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	156875	48.646	ug/l	99
67) Ethyl Benzene	10.25	91	685899	48.047	ug/l	93
68) m/p-Xylenes	10.36	106	529830	95.911	ug/l	90
69) o-Xylene	10.69	106	264112	48.096	ug/l	89
70) Styrene	10.71	104	459004	49.353	ug/l	94
71) Bromoform	10.85	173	143158	48.289	ug/l	99
73) Isopropylbenzene	11.02	105	694886	46.929	ug/l	95
74) N-amyl acetate	10.90	43	278389	47.562	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	238758	47.105	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	194259m	45.786	ug/l	
77) Bromobenzene	11.26	156	193757	47.584	ug/l	80
78) n-propylbenzene	11.36	91	775533	47.046	ug/l	95
79) 2-Chlorotoluene	11.42	91	456119	46.070	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	575355	46.133	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	83243	43.349	ug/l	85
82) 4-Chlorotoluene	11.51	91	520047	46.240	ug/l	91
83) tert-Butylbenzene	11.77	119	589564	46.706	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	588994	46.755	ug/l	97
85) sec-Butylbenzene	11.94	105	694437	47.221	ug/l	96
86) p-Isopropyltoluene	12.06	119	634400	47.188	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	344195	47.990	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	340223	47.056	ug/l	98
89) n-Butylbenzene	12.38	91	543459	46.961	ug/l	97
90) Hexachloroethane	12.59	117	120876	45.134	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	334690	48.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52228	43.789	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	241183	47.254	ug/l	100
94) Hexachlorobutadiene	13.78	225	112253	49.453	ug/l	99
95) Naphthalene	13.83	128	775697	48.279	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	244474	48.444	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

